



INFORMATION ASSURANCE JUST THE PARTS YOU REALLY NEED TO KNOW THIS BRIEF IS UNCLASSIFIED

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What's the Purpose?

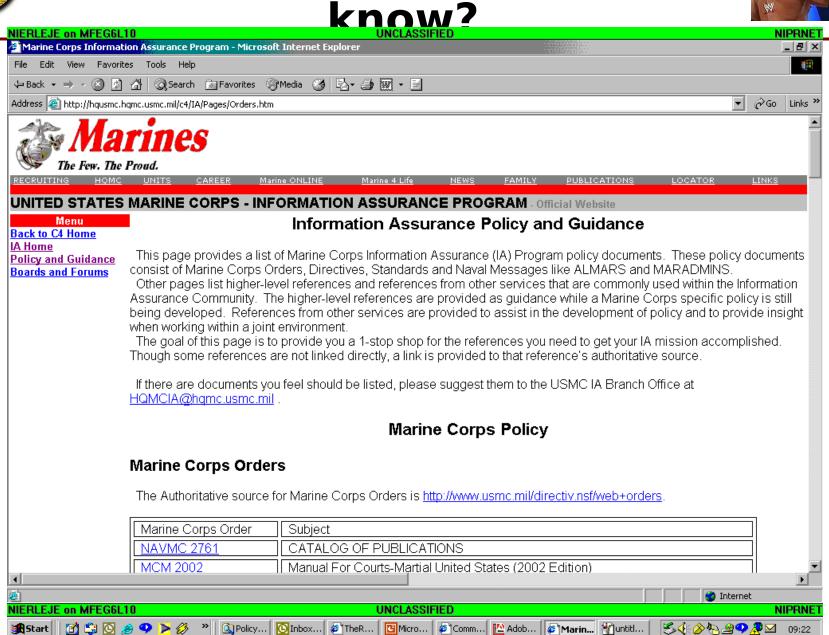


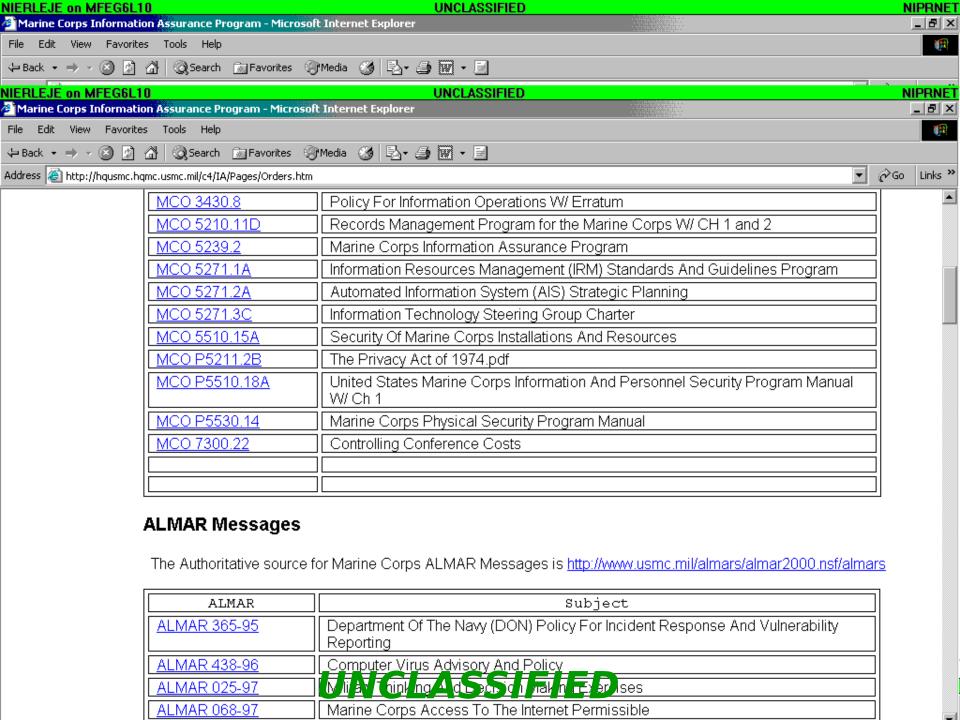
- Know the rules
- Protect National Security Information and Systems
- Stay Out of Jail
- Satisfy the annual training requirement

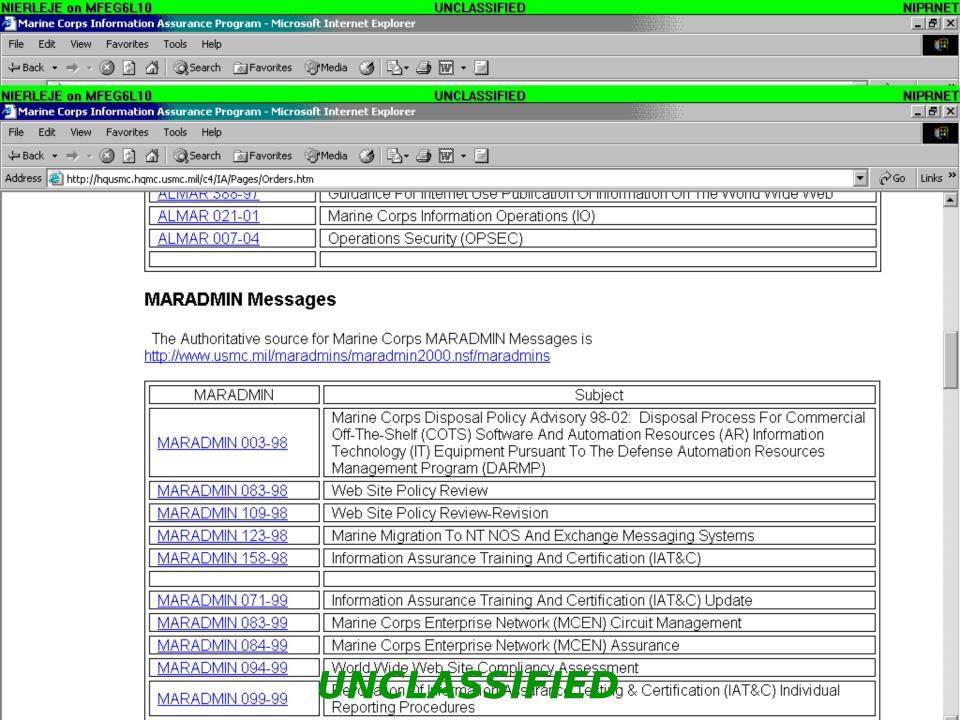


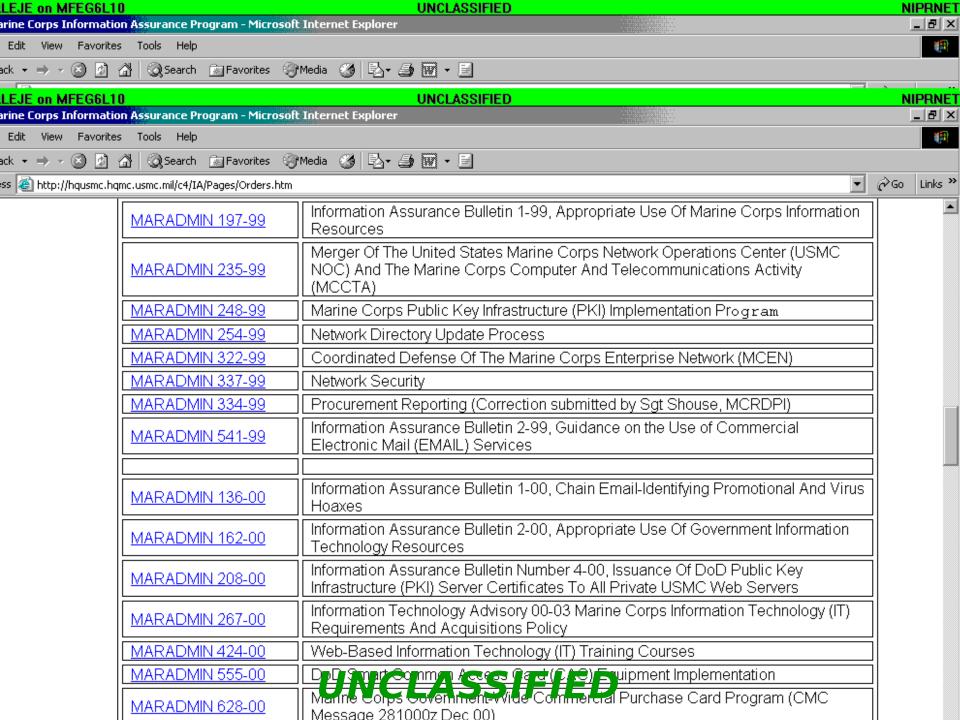
How much do you care to

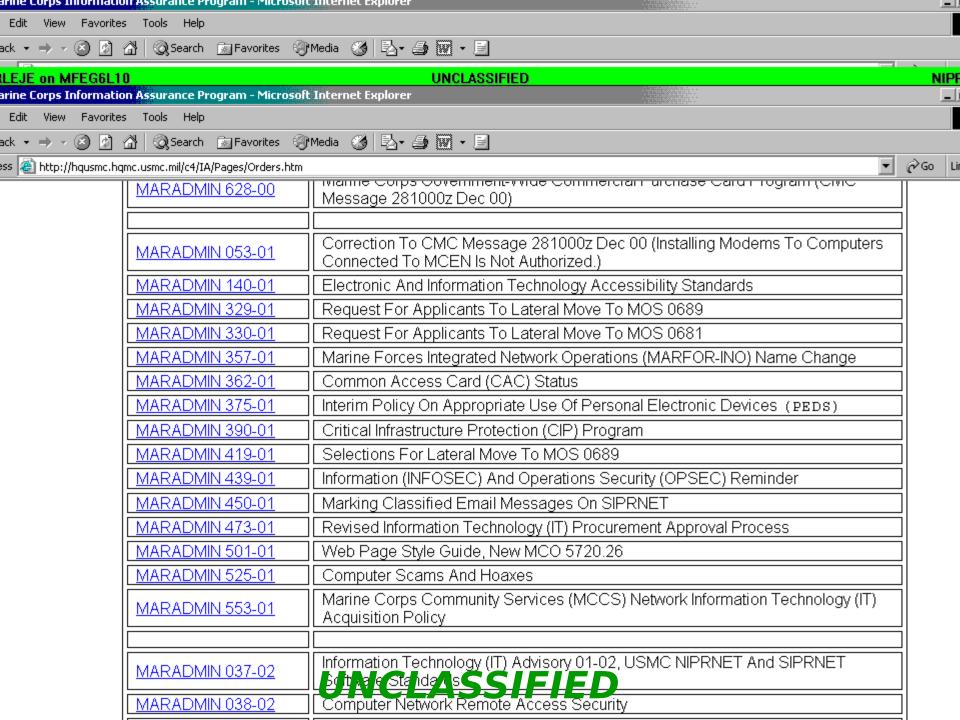


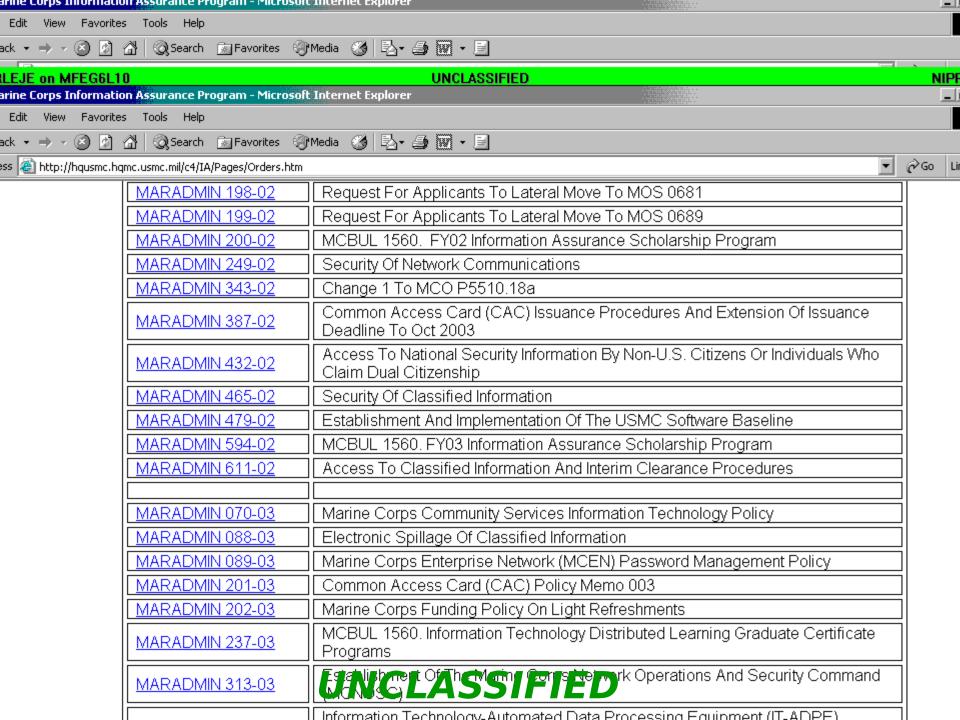


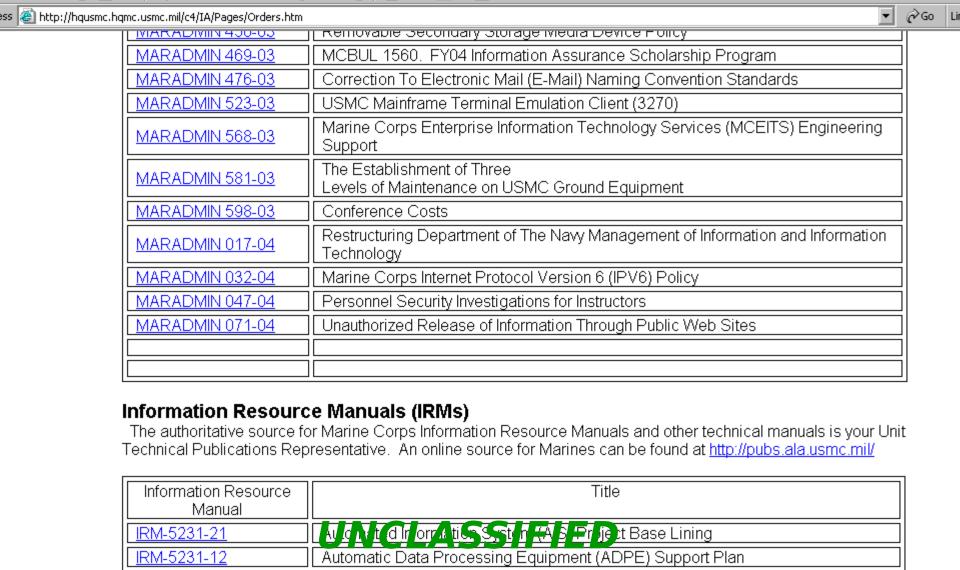












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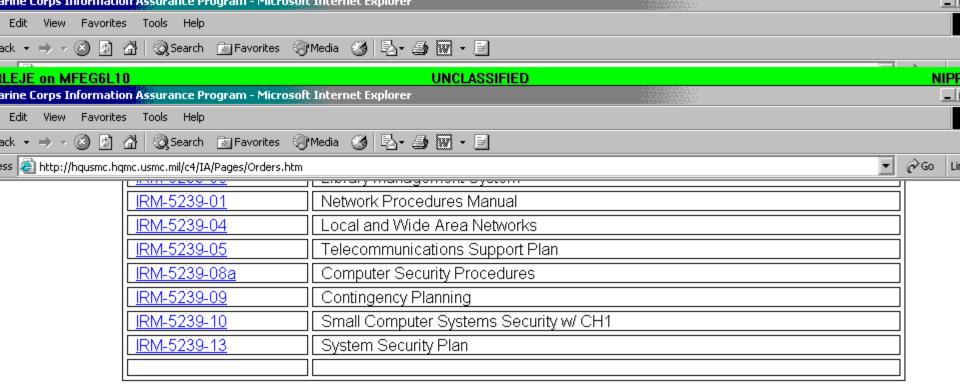
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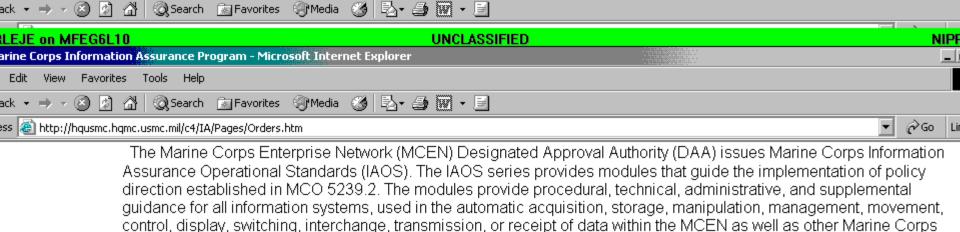


Marine Corps IA Operational Standards

The Marine Corps Enterprise Network (MCEN) Designated Approval Authority (DAA) issues Marine Corps Information Assurance Operational Standards (IAOS). The IAOS series provides modules that guide the implementation of policy direction established in MCO 5239.2. The modules provide procedural, technical, administrative, and supplemental guidance for all information systems, used in the automatic acquisition, storage, manipulation, management, movement, control, display, switching, interchange, transmission, or receipt of data within the MCEN as well as other Marine Corps information systems. Each module focuses on a distinct subject and describes a standard methodology for planning, implementing and executing an element of the Marine Corps Information Assurance Program.

The Authoritative source for Marine Corps Operational Standards is this Site.

Marine Corps IA Operational Standards 04 August 2003	
Op Standard	UNCLASSIFIED
MC IA OPSTD 001	Incident Reporting V 1.0



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implementing and executing an element of the Marine Corps Information Assurance Program.

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Favorites Tools Help

View

Marine Corps IA Operational Standards 04 August 2003		
Op Standard	Title	
MC IA OPSTD 001	Incident Reporting V 1.0	
MC IA OPSTD 002	Firewalls V 1.0	
MC IA OPSTD 003	Routers V 1.0	
MC IA OPSTD 004	Remote Access (RAS) V 1.0	
MC IA OPSTD 005	Personal Electronic Devices (PEDs) V 1.0	
MC IA OPSTD 006	Virtual Private Networks (VPN) V 1.0	
MC IA OPSTD 007	Privacy Access V 1.0	

information systems. Each module focuses on a distinct subject and describes a standard methodology for planning,

Think big, Start small, Scale fast



Want to look at all those?



Visit the website yourself:

http://hqusmc.hqmc.usmc .mil/c4/IA/Pages/Orders.htm



How much do you NEED to know?



- The right mindset: LEAST PRIVILEGE
- The MFE Appropriate Use Policy
- The MFE IA order (MFEO 5239.1)
- Dos and Don'ts for practical use
- How to respond to suspected incidents
- Who to call for help



"LEAST PRIVILEGE"



 You only get the access you NEED to accomplish your mission and tasks.

- The difference between a hacker and an IA good guy is PERMISSION.
 - If you don't have permission, you will be treated as a hacker.
 UNCLASSIFIED



MARFOREUR Appropriate Use Policy



- Signed 7 April 2003
- Find it at H:\G-6\Information Assurance
- Key points:
 - No expectation of privacy; we can monitor anything
 - Violations are punishable
 - Personal use of govt IT must pass the test:
 - Is it necessary for the health, welfare, or safety reasons?
 - Are you sure it will not embarrass the Marine Corps?
 - Are you willing to share it with the Commandant? UNCLASSIFIED



Appropriate Use : Telephones



- Sensitive and classified are only discussed on secure telephone lines, ie. Red Switch and STU
 - Be careful of background conversations
- Govt phones are not used by family members
- Red Switch is restricted to those cleared SECRET
- Loss of a cell phone is the same as loss of any other piece of government equipment
- Personal calls on cell phones are limited in the same way as personal calls from your desk.



Appropriate Use: Internet-computer



- You MUST comply with copyright laws for software and all other material.
 - Freeware is generally prohibited on the govt network.
 - Only software you are allowed to have at home is anti-virus and personal firewall and govt created software such as PES.
- Access to freemail sites is prohibited from Marine Corps computers.
- Freemail is prohibited for official govt business regardless of where you access it from.



Appropriate Use: Expressly prohibited use



- Accessing, storing, transmitting, displaying, distributing, processing, viewing info that is of
 - Pornographic
 - Racist
 - Subversive
 - Promotion of criminal activity incl Hate Crimes
- Gambling
- Partisan political activity
- Distributing or promoting religious materials
- Any use of govt resources for personal gain
- Chain letters via email



Want More?



- Read the entire Appropriate Use Policy
 - MFE appropriate use of IT_00001.P

 DF



IA Policy Order



 Review of the MFE IA Policy Order Starts Here

 Read the whole order here: MARFOREURO P5239.1.pdf



Know Your Role



- DAA-Designated Approving Authority (Chief of Staff)
 - Assumes all the risk for operating the system
- IAM-Info Assurance Manager (AC/S G-6)
 - Overall IA program manager for all systems
- IAO- Info Assurance Officer (various)
 - Specifically assigned for each system
- IAT-Info Assurance Technician
- User
 - First and best line of defense
 - YOU!



User Responsibilities



- Protect information and systems against threats
- Report immediately any IA incident
- Control all media and your passphrase/password/PIN
- Ensure govt systems are used only for official purpose



Configuration Mgt



- Only G-6 Marines configure computers
- IAM/IAO approves all changes to security settings
- Software is only loaded and downloaded by G-6
- Ditto for attachment of peripheral devices
- Only software on the USMC baseline is used
- Private software is not allowed on the MFE network
- Private hardware is not allowed on the MFE network



Passphrases



- One Beer and a Haircut, Five Bucks
 - 1Beir&ahct5\$ (number, letter, upper+lower, special symbol, at least 12 characters)
- Don't write your passphrase down.
- Change it every 90 days (you have no choice)
- NEVER share your passphrase with ANYONE
- NEVER share your passphrase with ANYONE
- NEVER share your passphrase with ANYONE



Remote Access (OWA)



- Must be from a govt computer, or a computer over which you have control (like home PC)
 - Must prove it has current anti-virus software
 - After 1 May PKI authentication will be required
- Prohibited from :
 - Libraries, Kiosks, Cyber cafes, Hotel business center
 - And your German girlfriend's apartment
- Do not underestimate the threat of eavesdropping when TAD!
- Don't connect a MFE computer to any network without prior approval from the IAM.



Data Access



Individual workstations

- Data in My Documents and Desktop is only there for you
- Others logged into that computer will not see that data
- Section Shared drives
 - Only members of the section have any rights
 - By default all members have full control
- HQ drives (H drive)
 - All MFE have full control unless you specifically change the permissions
 - Do NOT password protect anything on H drive; if you want to restrict access, put it on your section drive and grant permission specifically to the intended users



Data Backup



- Shared drives
 - Backed up by G-6 daily/weekly/monthly
- Email and Web
 - Same as shared drives
- Individual workstations
 - Users must backup their own data on CD-R/CD-RW
 - Request assistance from G-6 helpdesk to ensure you get all the required data



NIPR to SIPR?



- Only G-6 Helpdesk is authorized to move data from NIPR to SIPR
- Must be properly marked with classification on every page/slide per DoD and DoN guidance
- Filename must start with "(U) <filename>.<ext>"
- Submit a trouble ticket UNCLASSIFIED



SIPR to NIPR?



- High risk of Spillage, so highly restricted
- Only performed by G-6 IAT or IAO
- Only these file types: .jp(e)g, .htm(l), .bmp, .gif, .txt, .rtf.
- Powerpoint is a no go.
- Submit trouble ticket and consent form (see order)
- All info must be labeled unclassified per DoD and DoN guidance



SIPRNET specific regs



- Only up to SECRET or NATO SECRET
- Restrict Unclassified data on SIPRNET as it results in Hi-to-Lo transfers
- SIPRNET passwords/phrases are SECRET and NATO SECRET so don't write them down!
- Foreigners are not permitted access to SIPRNET
- All information on SIPR MUST be labeled with its classification and declass instructions, incl all email.



SIPRNET EMAIL EXAMPLE

Classification: SECR SIPRNET HEADER

VOverall classification of email

L DATE ORIGINATED

Subject classification
1 May 01

Subject Line must have overall and portion (U)

- (S) CJCSM 6510.01, CSC-STD-003-85, IA PUB-5239-26, DoD 5200.1R and SECNAVINST 5510.36 provide the marking requirements for classified AIS information and equipment.
- (U) The CNO (N09N2) point of contact for this matter is Ms. Vicki Cicala

at (202) 433-8847 or email CLASSIFICATION/DECLAS il Night Gel 1 (202) 433-8847 or email Night Gel 1 (2

Derived from **Multiple Sources**Declassify on RATOR

M. Sawall CNO (N09N2) (202) 433-8845/DSN 288-8845 **SIPRNET FOOTER**

SECRE UNCLASSIFIED

UNCLASSIFIED BUT MARKED "SECRET/NATO" FOR TRAINING PURPOSES ONLY



More complete coverage



 For full discussion of marking of SIPR documents and email see this briefing:

DoN-Email-Marking-Guidance-Apr03.PPT



More SIPRNET regs



- SIPR printers are SECRET; they must be in controlled areas and all output must be controlled
 - Mark SIPRNET output immediately with classification
 - Any classified SIPRNET print kept >180 days must be reported to CMCC/SCP custodians for control
- Switching printers between SIPR and NIPR is prohibited.
- NIPRNET must be separated at least one meter from SIPRNET.



NIPRNET regs



- NIPRNET is connected to the Internet, and therefore cannot be secured. Largest threat vector to DoD.
- NIPRNET means "Non-secure" IP router network
 - NO CLASSIFIED INFORMATION ON NIPRNET, EVER
- For Official Use Only and SBU information transmitted on NIPRNET must be encrypted
 - Must only use DoD PKI for encryption



Media Control



- Magnetic diskettes/discs placed into SIPRNET computers are SECRET
- Optical media placed in Read Only (CD-ROM or DVD-ROM) drives are not classified
- All media in MFE must have security classification applied: Use the Labels!
- NEVER, and THE ROCK means...EVER, place a CD or Diskette containing CLASSIFIED data into ANY NIPRNET computer or drive.



Personal Electronic Devices and wireless



- BlackBerry, cell phones, cordless phones,
 Palms, digital cameras, tape recorders
- Not allowed in the following places:
 - SCIF, Command Ctr, EKMS
- NOT USED FOR CLASSIFIED or on SIPRNET!
 - Exception: GSM or Iridium in SECURE mode
- Batteries removed when in spaces cleared for classified
- No synching of BlackBerry within 10 ft of SIPR!



Email, Viruses, PKI



- Email from the Internet is the primary threat vector for viruses in DoD.
- Never open attachments on email that seem suspicious.
- Most "bad" file types are blocked: .url, .exe, etc
- New viruses and worms are getting better at spoofing: Do not trust originators or subject line
- USE PKI & only PKI. Encrypted and signed emails will not be carrying viruses



Speaking of PKI....



- 1 May 04 MarForEur OWA will require PKI authentication for access
- PKI encryption required for:
 - FOUO and SBU data transmitted on NIPRNET
 - Privacy data transmitted on NIPRNET (e.g. fitreps, family information, SSNs)
- PKI digital signature required for:
 - Release of DMS messages on NIPRNET
 - Directive emails and commitments of resources



RESPONDING TO A SUSPECTED INCIDENT



- If the email says an attachment was removed, then it is virus free, and you can just delete it.
- If you suspect the email might have a virus or that it may contain classified material:
 - Call the G6 Helpdesk at 431-2330
- Do NOT delete files or emails.
- Do NOT forward them to others.
- Do NOT reply to spam or suspected virus carrying email.



Points of Contact



- IAM LtCol J. E. Nierle, G-6, 431-2408
- IAO SSGT J. M. Rahn, G-6, 431-2187
- IAT SGT S. C. Taylor, G-6, 431-2330
- Helpdesk 431-2330 or 2397



Just Bring It



- ✓ Send me an email stating you completed the training: mailto: nierleje@mfe.usmc.mil
- ✓ Print and sign this document: MFE User Responsibility Agree ment.doc
- **✓ Bring it to the G6 Helpdesk**
- √ Have a nice IA day.